

# SEQUENCE LISTING

<110> Kalled, Susan  
 Rao, Sambasiva  
  
 <120> Therapeutic Regimens for BAFF Antagonists  
  
 <130> 08201.0042-00000  
  
 <140> 10/576,527  
 <141> 2007-05-01  
  
 <150> US 60/512,880  
 <151> 2003-10-20  
  
 <150> PCT/US04/34514  
 <151> 2004-10-20  
  
 <160> 8  
  
 <170> PatentIn version 3.5  
  
 <210> 1  
 <211> 186  
 <212> PRT  
 <213> Homo sapiens  
  
  
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 <222> (1)..(1)  
 <223> None, or any amino acid  
  
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 <222> (2)..(2)  
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 <223> valine (wild type), asparagine, or another amino acid  
  
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 <222> (28)..(28)  
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 <222> (47)..(47)  
 <223> None, any amino acid, or alanine  
  
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 Xaa Xaa Arg Arg Gly Pro Arg Ser Leu Arg Gly Arg Asp Ala Pro Ala  
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Pro Thr Pro Cys Xaa Pro Ala Glu Cys Phe Asp Xaa Leu Val Arg His  
 20 25 30  
 Cys Val Ala Cys Gly Leu Leu Arg Thr Pro Arg Pro Lys Pro Xaa Ala  
 35 40 45  
 Gly Ala Ser Ser Pro Ala Pro Arg Thr Ala Leu Gln Pro Gln Glu Ser  
 50 55 60  
 Val Gly Ala Gly Ala Gly Glu Ala Ala Leu Pro Leu Pro Gly Leu Leu  
 65 70 75 80  
 Phe Gly Ala Pro Ala Leu Leu Gly Leu Ala Leu Val Leu Ala Leu Val  
 85 90 95  
 Leu Val Gly Leu Val Ser Trp Arg Arg Arg Gln Arg Arg Leu Arg Gly  
 100 105 110  
 Ala Ser Ser Ala Glu Ala Pro Asp Gly Asp Lys Asp Ala Pro Glu Pro  
 115 120 125  
 Leu Asp Lys Val Ile Ile Leu Ser Pro Gly Ile Ser Asp Ala Thr Ala  
 130 135 140  
 Pro Ala Trp Pro Pro Pro Gly Glu Asp Pro Gly Thr Thr Pro Pro Gly  
 145 150 155 160  
 His Ser Val Pro Val Pro Ala Thr Glu Leu Gly Ser Thr Glu Leu Val  
 165 170 175  
 Thr Thr Lys Thr Ala Gly Pro Glu Gln Gln  
 180 185

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 <211> 321  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (48)..(48)  
 <223> Lysine (wild type), proline, or another amino acid

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 <223> none, any amino acid, or alanine

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Gly Ser Thr Gly Asp Val Arg Arg Gly Pro Arg Ser Leu Arg Gly Arg  
 20 25 30

Asp Ala Pro Ala Pro Thr Pro Cys Xaa Pro Ala Glu Cys Phe Asp Xaa  
 35 40 45

Leu Val Arg His Cys Val Ala Cys Gly Leu Leu Arg Thr Pro Arg Pro  
 50 55 60

Lys Pro Xaa Ala Gly Ala Ser Ser Pro Ala Pro Arg Thr Ala Leu Gln  
 65 70 75 80

Pro Gln Glu Ser Val Gly Ala Gly Ala Gly Glu Ala Ala Val Asp Lys  
 85 90 95

Thr His Thr Ser Pro Pro Ser Pro Ala Pro Glu Leu Leu Gly Gly Pro  
 100 105 110

Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser  
 115 120 125

Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp  
 130 135 140

Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn  
 145 150 155 160

Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val  
 165 170 175

Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu  
180 185 190

Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys  
195 200 205

Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr  
210 215 220

Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr  
225 230 235 240

Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu  
245 250 255

Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu  
260 265 270

Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys  
275 280 285

Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu  
290 295 300

Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly  
305 310 315 320

Lys

<210> 3  
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<213> Mus musculus

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Met Gly Ala Arg Arg Leu Arg Val Arg Ser Gln Arg Ser Arg Asp Ser  
1 5 10 15

Ser Val Pro Thr Gln Cys Asn Gln Thr Glu Cys Phe Asp Pro Leu Val  
20 25 30

Arg Asn Cys Val Ser Cys Glu Leu Phe His Thr Pro Asp Thr Gly His  
 35 40 45

Thr Ser Ser Leu Glu Pro Gly Thr Ala Leu Gln Pro Gln Glu Gly Ser  
 50 55 60

Ala Leu Arg Pro Asp Val Ala Leu Leu Val Gly Ala Pro Ala Leu Leu  
 65 70 75 80

Gly Leu Ile Leu Ala Leu Thr Leu Val Gly Leu Val Ser Leu Val Ser  
 85 90 95

Trp Arg Trp Arg Gln Gln Leu Arg Thr Ala Ser Pro Asp Thr Ser Glu  
 100 105 110

Gly Val Gln Gln Glu Ser Leu Glu Asn Val Phe Val Pro Ser Ser Glu  
 115 120 125

Thr Pro His Ala Ser Ala Pro Thr Trp Pro Pro Leu Lys Glu Asp Ala  
 130 135 140

Asp Ser Ala Leu Pro Arg His Ser Val Pro Val Pro Ala Thr Glu Leu  
 145 150 155 160

Gly Ser Thr Glu Leu Val Thr Thr Lys Thr Ala Gly Pro Glu Gln  
 165 170 175

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 <212> PRT  
 <213> Mus musculus

<400> 4

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Gly Ser Thr Gly Asp Val Gly Ala Arg Arg Leu Arg Val Arg Ser Gln  
 20 25 30

Arg Ser Arg Asp Ser Ser Val Pro Thr Gln Cys Asn Gln Thr Glu Cys  
 35 40 45

Phe Asp Pro Leu Val Arg Asn Cys Val Ser Cys Glu Leu Phe His Thr  
 50 55 60

Pro Asp Thr Gly His Thr Ser Ser Leu Glu Pro Gly Thr Ala Leu Gln  
65 70 75 80

Pro Gln Glu Gly Ser Ala Leu Val Asp Val Pro Arg Asp Cys Gly Cys  
85 90 95

Lys Pro Cys Ile Cys Thr Val Pro Glu Val Ser Ser Val Phe Ile Phe  
100 105 110

Pro Pro Lys Pro Lys Asp Val Leu Thr Ile Thr Leu Thr Pro Lys Val  
115 120 125

Thr Cys Val Val Val Asp Ile Ser Lys Asp Asp Pro Glu Val Gln Phe  
130 135 140

Ser Trp Phe Val Asp Asp Val Glu Val His Thr Ala Gln Thr Gln Pro  
145 150 155 160

Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg Ser Val Ser Glu Leu Pro  
165 170 175

Ile Met His Gln Asp Trp Leu Asn Gly Lys Glu Phe Lys Cys Arg Val  
180 185 190

Asn Ser Ala Ala Phe Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Thr  
195 200 205

Lys Gly Arg Pro Lys Ala Pro Gln Val Tyr Thr Ile Pro Pro Pro Lys  
210 215 220

Glu Gln Met Ala Lys Asp Lys Val Ser Leu Thr Cys Met Ile Thr Asp  
225 230 235 240

Phe Phe Pro Glu Asp Ile Thr Val Glu Trp Gln Trp Asn Gly Gln Pro  
245 250 255

Ala Glu Asn Tyr Lys Asn Thr Gln Pro Ile Met Asp Thr Asp Gly Ser  
260 265 270

Tyr Phe Val Tyr Ser Lys Leu Asn Val Gln Lys Ser Asn Trp Glu Ala  
275 280 285

Gly Asn Thr Phe Thr Cys Ser Val Leu His Glu Gly Leu His Asn His  
 290 295 300

His Thr Glu Lys Ser Leu Ser His Ser Pro Gly Lys  
 305 310 315

<210> 5  
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 <212> PRT  
 <213> Artificial sequence

<220>  
 <223> Synthetic peptide

<400> 5

Cys His Trp Asp Leu Leu Arg His Trp Val Cys  
 1 5 10

<210> 6  
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 <212> PRT  
 <213> Homo sapiens

<400> 6

Ser Ser Pro Ala Pro Arg Thr  
 1 5

<210> 7  
 <211> 184  
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<400> 7

Met Leu Gln Met Ala Gly Gln Cys Ser Gln Asn Glu Tyr Phe Asp Ser  
 1 5 10 15

Leu Leu His Ala Cys Ile Pro Cys Gln Leu Arg Cys Ser Ser Asn Thr  
 20 25 30

Pro Pro Leu Thr Cys Gln Arg Tyr Cys Asn Ala Ser Val Thr Asn Ser  
 35 40 45

Val Lys Gly Thr Asn Ala Ile Leu Trp Thr Cys Leu Gly Leu Ser Leu  
 50 55 60

Ile Ile Ser Leu Ala Val Phe Val Leu Met Phe Leu Leu Arg Lys Ile  
65 70 75 80

Ser Ser Glu Pro Leu Lys Asp Glu Phe Lys Asn Thr Gly Ser Gly Leu  
85 90 95

Leu Gly Met Ala Asn Ile Asp Leu Glu Lys Ser Arg Thr Gly Asp Glu  
100 105 110

Ile Ile Leu Pro Arg Gly Leu Glu Tyr Thr Val Glu Glu Cys Thr Cys  
115 120 125

Glu Asp Cys Ile Lys Ser Lys Pro Lys Val Asp Ser Asp His Cys Phe  
130 135 140

Pro Leu Pro Ala Met Glu Glu Gly Ala Thr Ile Leu Val Thr Thr Lys  
145 150 155 160

Thr Asn Asp Tyr Cys Lys Ser Leu Pro Ala Ala Leu Ser Ala Thr Glu  
165 170 175

Ile Glu Lys Ser Ile Ser Ala Arg  
180

<210> 8  
<211> 293  
<212> PRT  
<213> Homo sapiens

<400> 8

Met Ser Gly Leu Gly Arg Ser Arg Arg Gly Gly Arg Ser Arg Val Asp  
1 5 10 15

Gln Glu Glu Arg Phe Pro Gln Gly Leu Trp Thr Gly Val Ala Met Arg  
20 25 30

Ser Cys Pro Glu Glu Gln Tyr Trp Asp Pro Leu Leu Gly Thr Cys Met  
35 40 45

Ser Cys Lys Thr Ile Cys Asn His Gln Ser Gln Arg Thr Cys Ala Ala  
50 55 60

Phe Cys Arg Ser Leu Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp  
65 70 75 80



His Leu Leu Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His  
 85 90 95

Pro Lys Gln Cys Ala Tyr Phe Cys Glu Asn Lys Leu Arg Ser Pro Val  
 100 105 110

Asn Leu Pro Pro Glu Leu Arg Arg Gln Arg Ser Gly Glu Val Glu Asn  
 115 120 125

Asn Ser Asp Asn Ser Gly Arg Tyr Gln Gly Leu Glu His Arg Gly Ser  
 130 135 140

Glu Ala Ser Pro Ala Leu Pro Gly Leu Lys Leu Ser Ala Asp Gln Val  
 145 150 155 160

Ala Leu Val Tyr Ser Thr Leu Gly Leu Cys Leu Cys Ala Val Leu Cys  
 165 170 175

Cys Phe Leu Val Ala Val Ala Cys Phe Leu Lys Lys Arg Gly Asp Pro  
 180 185 190

Cys Ser Cys Gln Pro Arg Ser Arg Pro Arg Gln Ser Pro Ala Lys Ser  
 195 200 205

Ser Gln Asp His Ala Met Glu Ala Gly Ser Pro Val Ser Thr Ser Pro  
 210 215 220

Glu Pro Val Glu Thr Cys Ser Phe Cys Phe Pro Glu Cys Arg Ala Pro  
 225 230 235 240

Thr Gln Glu Ser Ala Val Thr Pro Gly Thr Pro Asp Pro Thr Cys Ala  
 245 250 255

Gly Arg Trp Gly Cys His Thr Arg Thr Thr Val Leu Gln Pro Cys Pro  
 260 265 270

His Ile Pro Asp Ser Gly Leu Gly Ile Val Cys Val Pro Ala Gln Glu  
 275 280 285

Gly Gly Pro Gly Ala  
 290